

Title (en)
GAS REFINING APPARATUS, GAS REFINING METHOD, PROPENE MANUFACTURING APPARATUS, AND PROPANE MANUFACTURING APPARATUS

Title (de)
GASRAFFINATIONSVORRICHTUNG, GASRAFFINATIONSVERFAHREN, PROPENHERSTELLUNGSVORRICHTUNG UND PROPANHERSTELLUNGSVORRICHTUNG

Title (fr)
APPAREIL DE RAFFINAGE DE GAZ, PROCÉDÉ DE RAFFINAGE DE GAZ, APPAREIL DE FABRICATION DE PROPÈNE ET APPAREIL DE FABRICATION DE PROPANE

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Application
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Abstract (en)
An object of the present invention is to provide a gas refining apparatus which can produce a product gas with high purity and high yield at low cost and can produce a plurality of types of gas as a product gas without changing an adsorbent, and the present invention provides a gas refining apparatus (10) including a first derivation line (L3) connected to the second adsorption towers (2a, 2b) and through which the first gas flows, a second derivation line (L4) connected to the second adsorption towers (2a and 2b) and through which the second gas flows, a regeneration line (L5) connected to the first adsorption towers (1a, 1b), through which a regeneration gas for regenerating a first adsorbent in the first adsorption towers (1a, 1b) flows, and a pump (P) provided in the second derivation line (L4) and configured to desorb the second gas from a second adsorbent in the second adsorption towers (2a and 2b), and the regeneration line (L5) is connected to each of the first derivation line (L3) and the second derivation line (L4).

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